

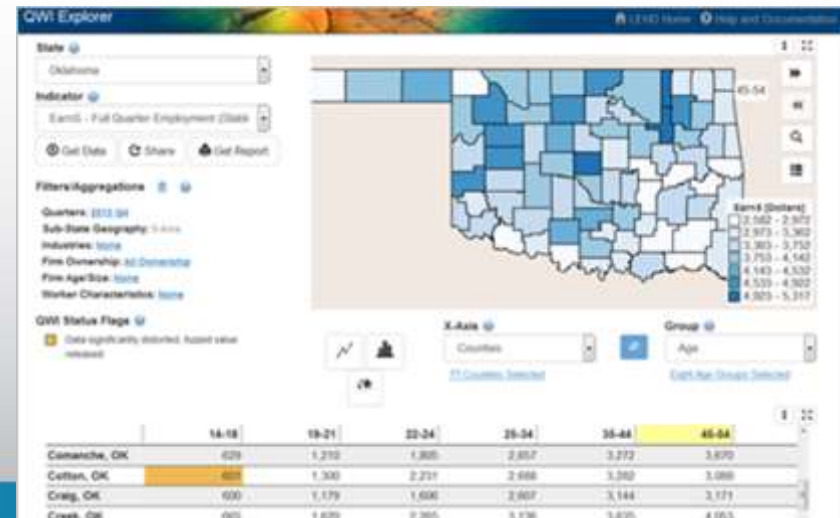
# Local Employment Dynamics: Visualizing National and Local Perspective of the Texas Economy Using OnTheMap



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LEHD Program  
Center for Economic Studies  
U.S. Census Bureau

# Outline

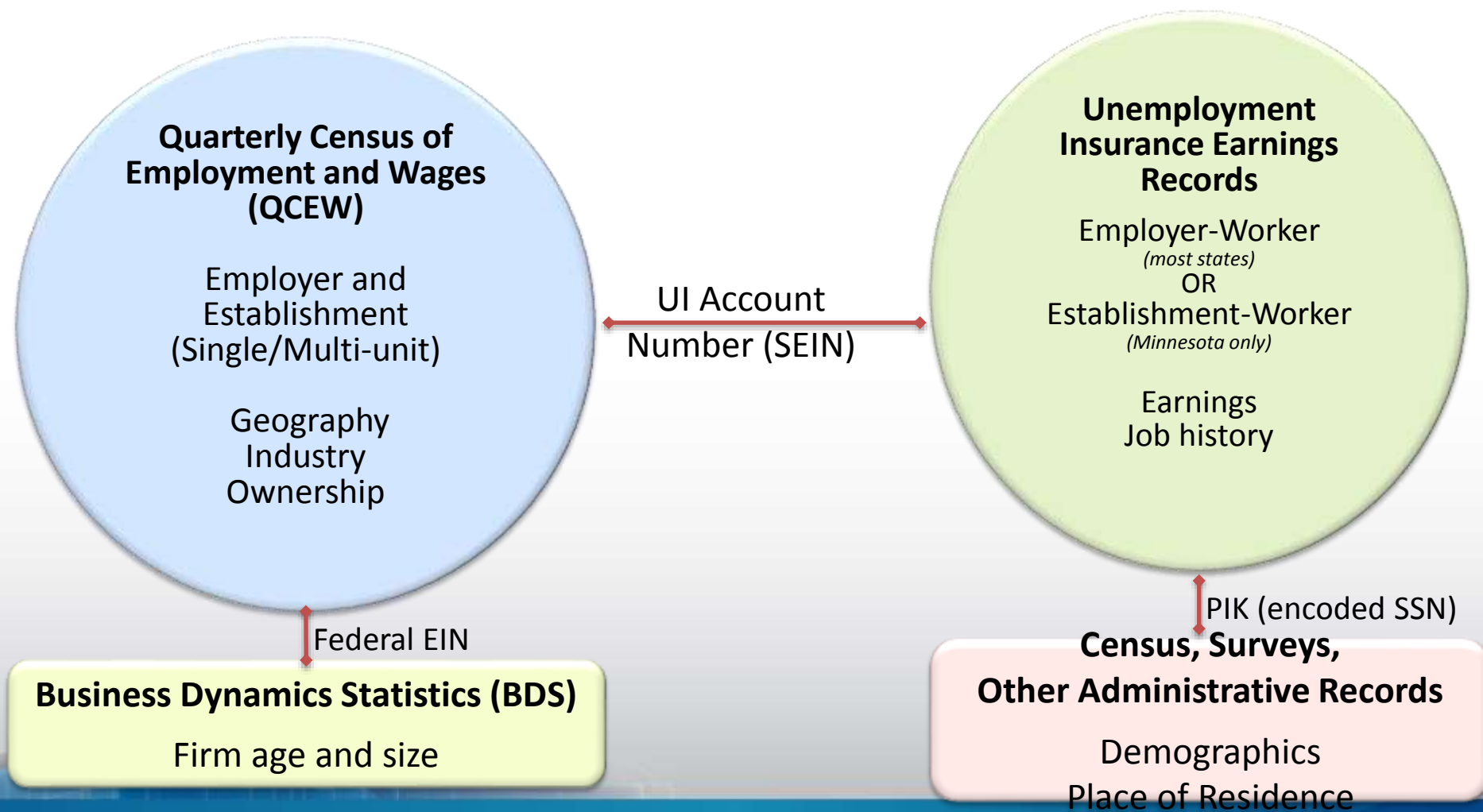
- What is LED and why should I care?
- LED Public-use Data and Web Tools
- Some Real World Examples
- Hands-on Demonstration



# Local Employment Dynamics Partnership

- Then:
  - Begun in late 1990s with a few states
  - Goal to generate new labor market statistics from existing records (UI and firm information)
- Now:
  - 53 partner states/territories
  - 3 data products
  - 4 web-based data tools

# LEHD Processing: Merging Data



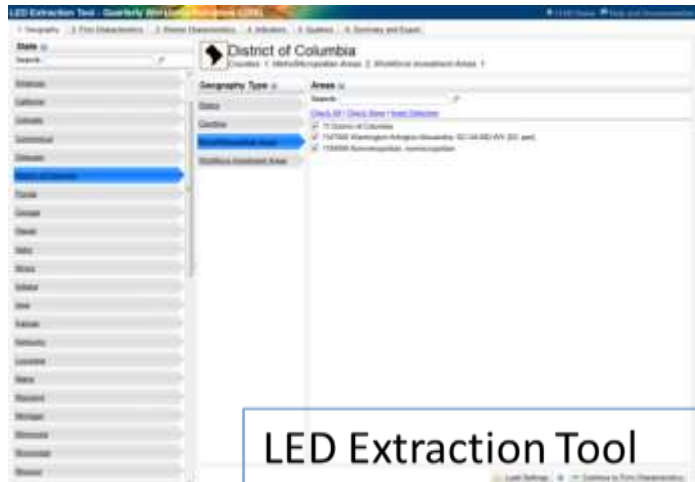
# Here's a story...



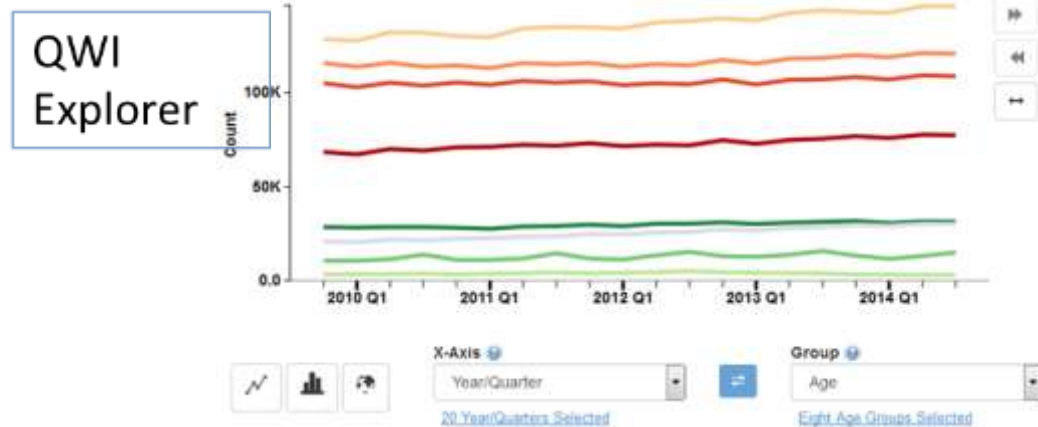
# LED Data Products

- **Quarterly Workforce Indicators (QWI)**
  - Employment, Job Creation, Job Destruction, Hires, Separations, Turnover, Earnings
  - By industry, county, and worker characteristics
- **LEHD Origin Destination Employment Statistics (LODES)**
  - Employment and Workplace-Residence Connections
  - Detailed geography + firm/worker characteristics
- **Job-to-Job Flows (J2J)**
  - Data on job transitions broken down by origin/destination industry and geography and worker characteristics
    - Flows between Jobs
    - Flows to/from Nonemployment
  - Beta data being released over coming months

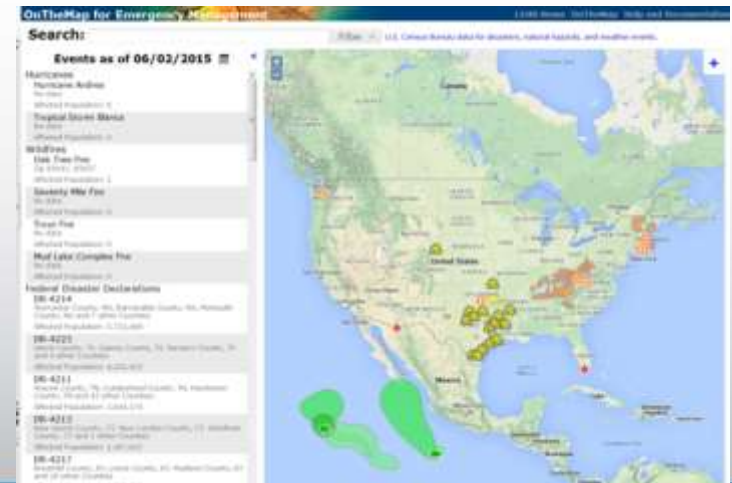
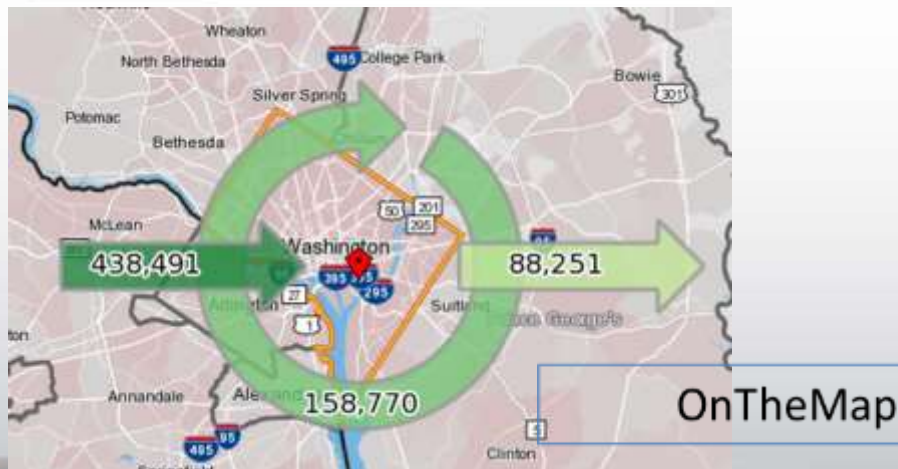
# Data Tools



## LED Extraction Tool



## OnTheMap for Emergency Management

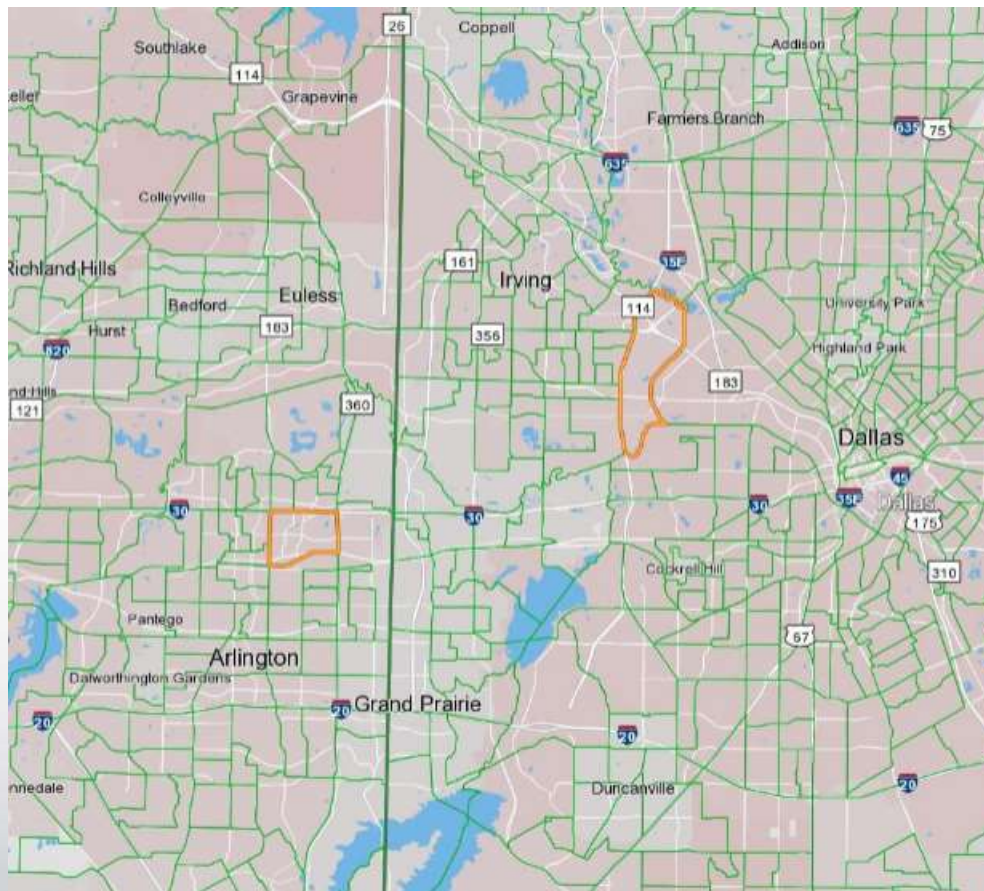


# If you build it, will they come?

## Examining Urban Economic Growth and Development from Sports Stadiums and Arenas



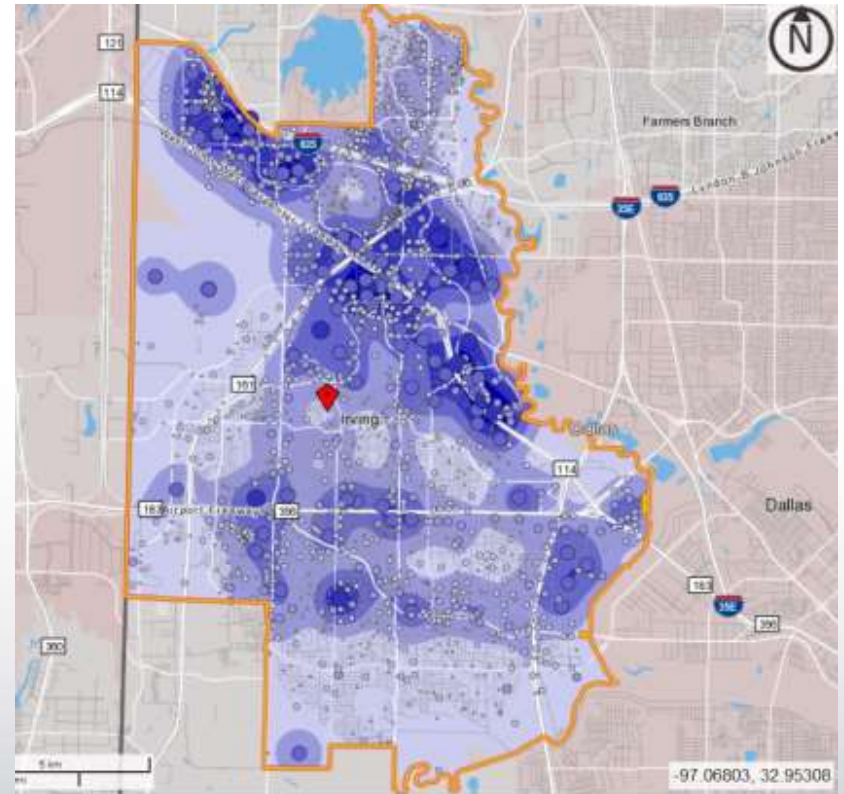
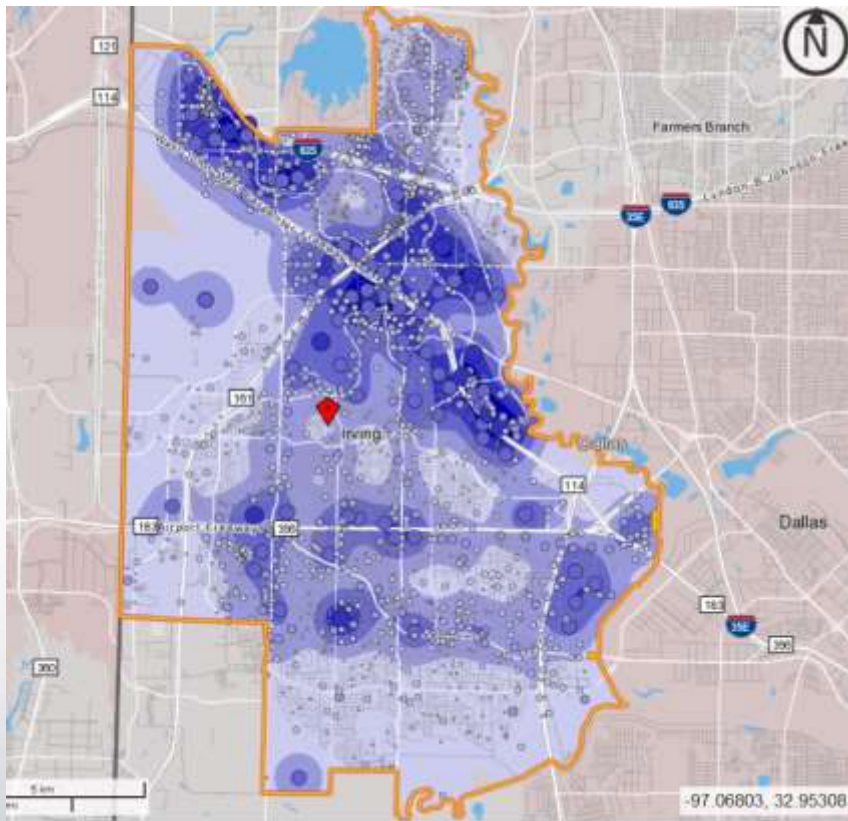
# Dallas/Ft. Worth, TX



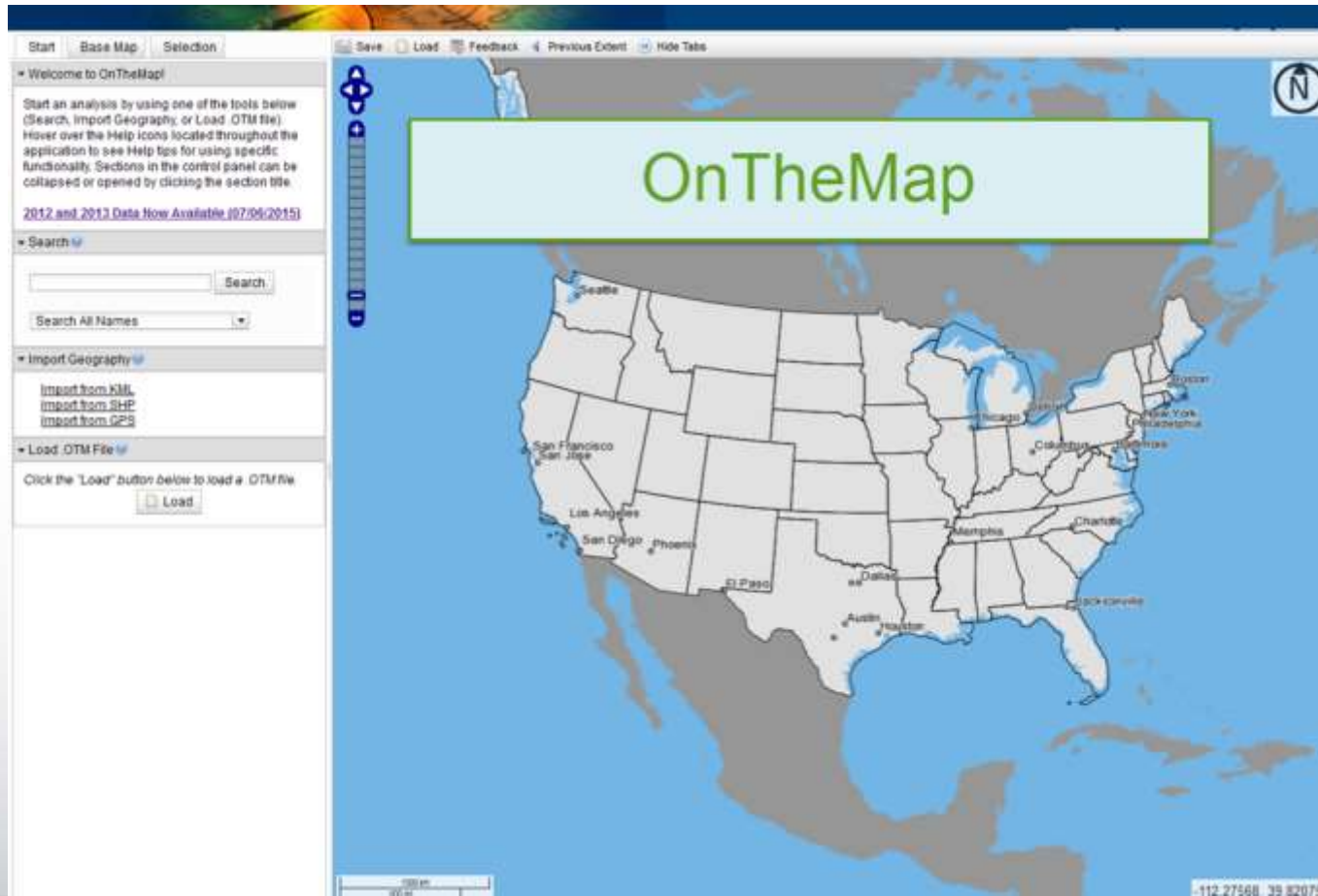
# Irving, TX

Total Primary Jobs 2008 – 183, 386

Total Primary Jobs 2009 – 181,510



# OnTheMap.ces.census.gov



# Analysis Setting – Arlington, TX

**Analysis Settings**

**Area Profile Analysis in 2008 and 2014 by All Jobs**

**Home/Work Area ?**  
Determines whether the selection area is analyzed on where workers live ("Home") or where workers are employed ("Work").  
☐ Home  
☒ Work

**Analysis Type ?**  
Determines the type of results that will be generated for the selected area.  
☒ **Area Profile**  
Labor Market Segment:  
All Workers  
☐ **Area Comparison**  
Areas to Compare:  
Places (Cities, CDPs, etc.)  
Labor Market Segment:  
All Workers  
☐ **Distance/Direction**  
☐ **Destination**  
Destination Type:  
Places (Cities, CDPs, etc.)  
☐ **Inflow/Outflow**  
Note: Home/Work choice does not affect results

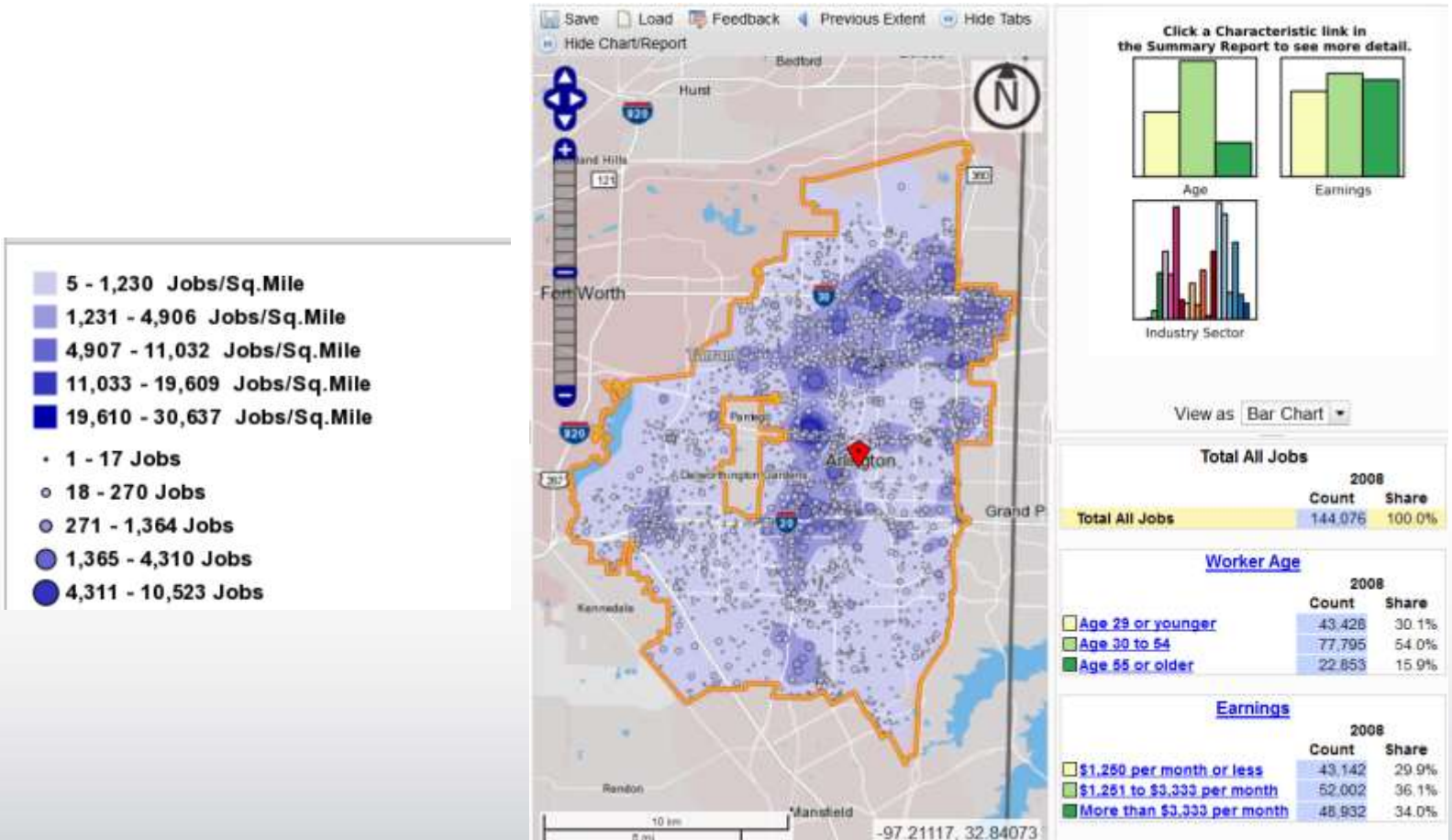
**Year ?**  
Determines the year(s) of data that will be processed in the analysis.  
☒ 2014  
☐ 2013  
☐ 2012  
☐ 2011  
☐ 2010  
☐ 2009  
☒ 2008  
☐ 2007  
☐ 2006  
☐ 2005  
☐ 2004  
☐ 2003  
☐ 2002

**Job Type ?**  
Determines the scope of jobs that will be processed in the analysis.  
☒ **All Jobs**  
☐ Primary Jobs  
☐ All Private Jobs  
☐ Private Primary Jobs

Cancel

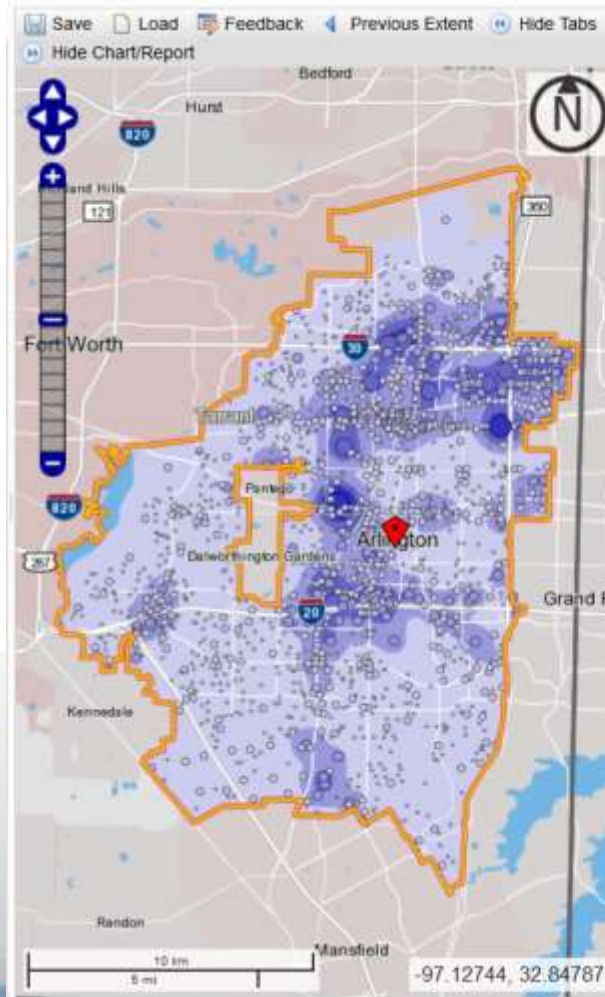
Go!

# Area Profile 2008

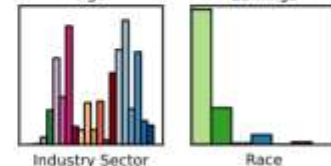
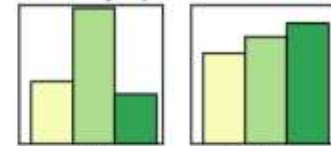


# Area Profile 2014

- 5 - 1,209 Jobs/Sq.Mile
- 1,210 - 4,824 Jobs/Sq.Mile
- 4,825 - 10,848 Jobs/Sq.Mile
- 10,849 - 19,281 Jobs/Sq.Mile
- 19,282 - 30,125 Jobs/Sq.Mile
- 1 - 18 Jobs
- 19 - 284 Jobs
- 285 - 1,436 Jobs
- 1,437 - 4,536 Jobs
- 4,537 - 11,074 Jobs



Click a Characteristic link in the Summary Report to see more detail.



View as **Bar Chart**

## Total All Jobs

	2014	
	Count	Share
Total All Jobs	161,145	100.0%

## Worker Age

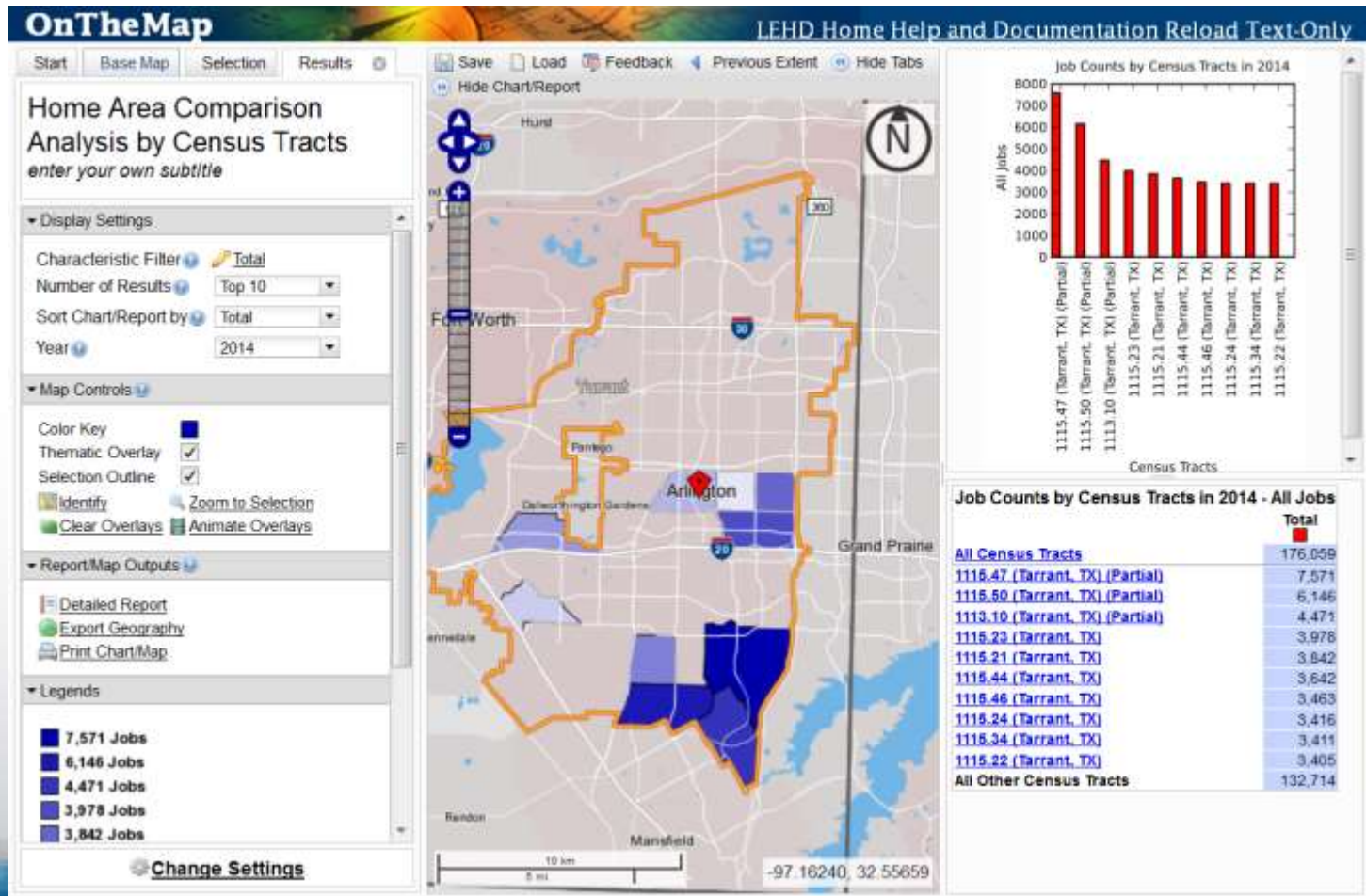
	2014	
	Count	Share
Age 29 or younger	40,582	25.2%
Age 30 to 54	88,150	54.7%
Age 55 or older	32,413	20.1%

## Earnings

	2014	
	Count	Share
\$1,250 per month or less	45,806	28.5%
\$1,251 to \$3,333 per month	54,146	33.6%
More than \$3,333 per month	61,103	37.9%

NAICS Industry Sector

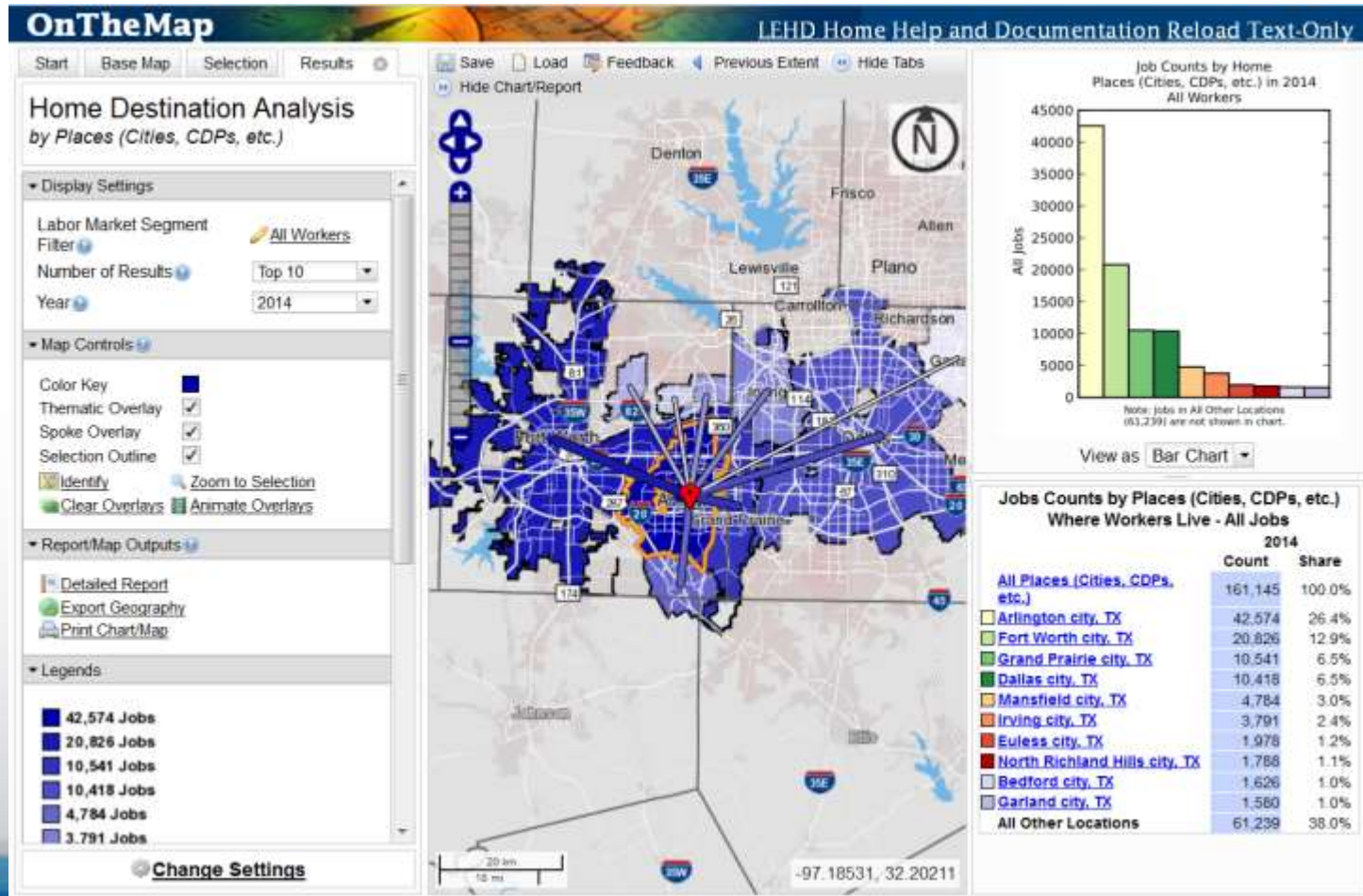
# Home Area Comparison by Census Tract



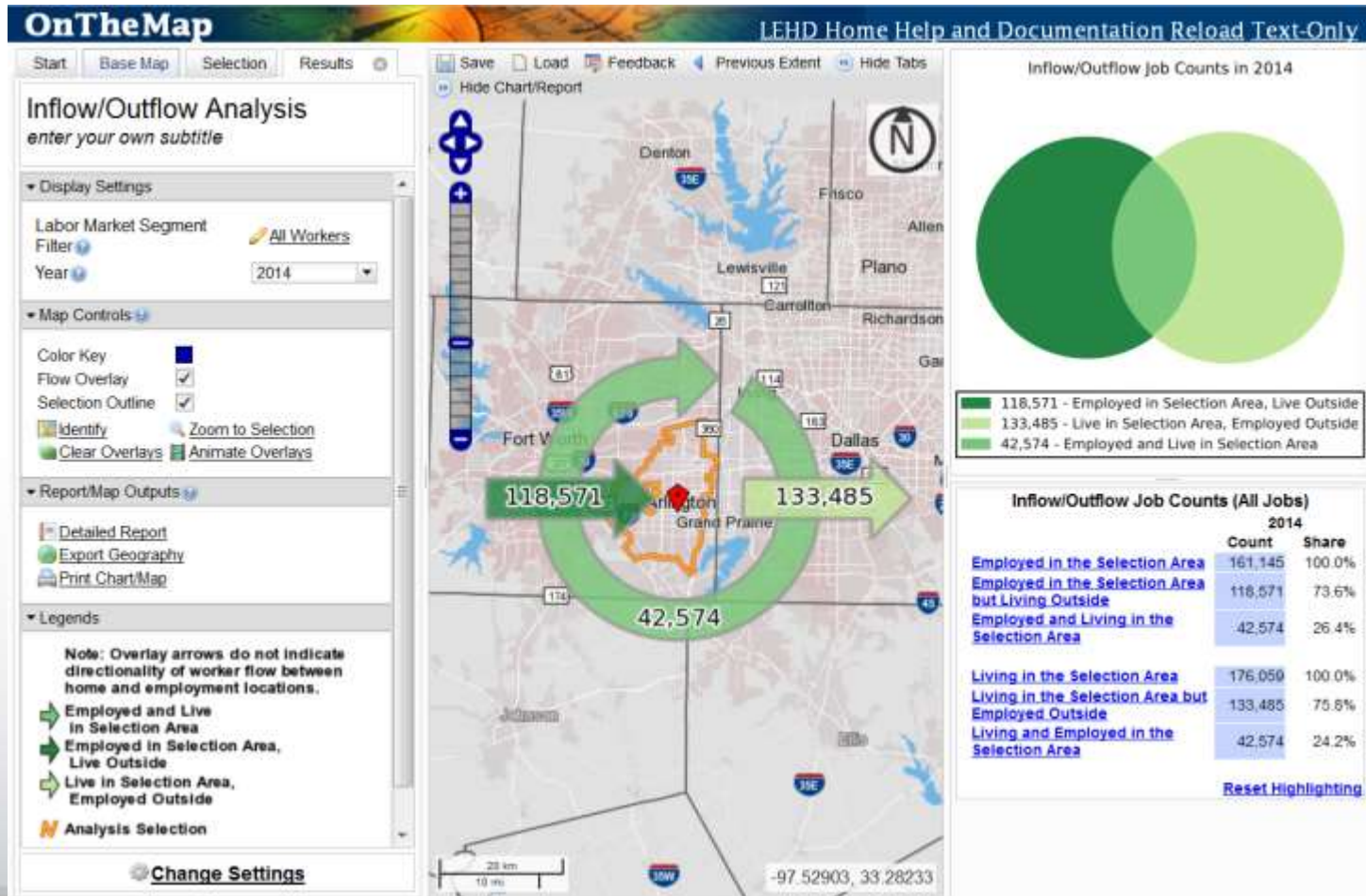
# Distance/Direction



# Destination



# Inflow/Outflow

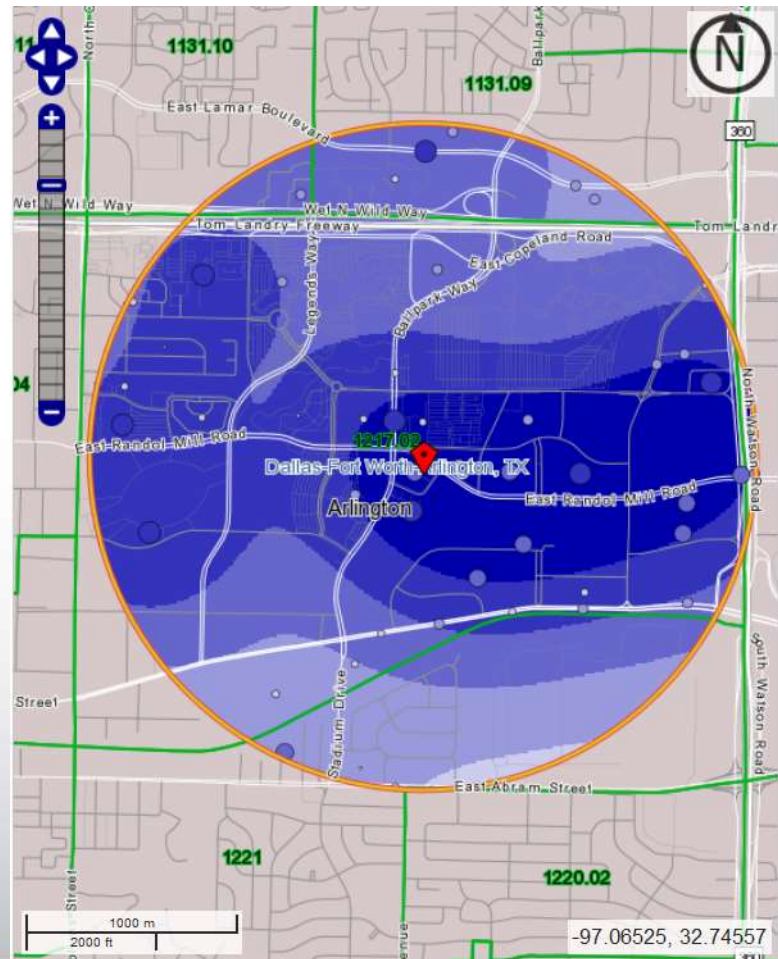


# Advanced Selection

# Census Tract 1217.02

## NAICS Industry Sector

	2014	
	Count	Share
Agriculture, Forestry, Fishing and Hunting	0	0.0%
Mining, Quarrying, and Oil and Gas Extraction	11	0.1%
Utilities	2	0.0%
Construction	557	3.5%
Manufacturing	592	3.7%
Wholesale Trade	1,164	7.3%
Retail Trade	1,553	9.8%
Transportation and Warehousing	244	1.5%
Information	447	2.8%
Finance and Insurance	816	5.1%
Real Estate and Rental and Leasing	113	0.7%
Professional, Scientific, and Technical Services	1,873	11.8%
Management of Companies and Enterprises	11	0.1%
Administration & Support, Waste Management and Remediation	1,580	10.0%
Educational Services	149	0.9%
Health Care and Social Assistance	912	5.7%
Arts, Entertainment, and Recreation	3,638	22.9%
Accommodation and Food Services	1,712	10.8%
Other Services (excluding Public Administration)	304	1.9%
Public Administration	184	1.2%



# OnTheMap for Emergency Management



Hurricanes, Floods,  
Winter Storms



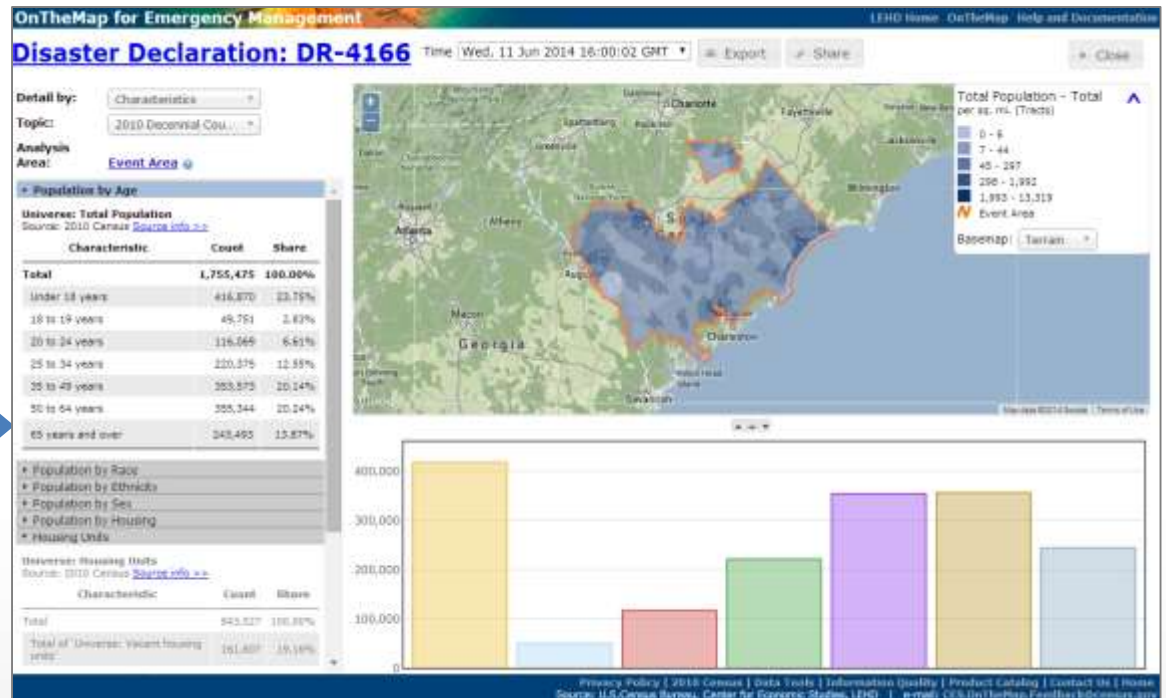
Disaster Areas



Wildfires



Demographic &  
Economic Data

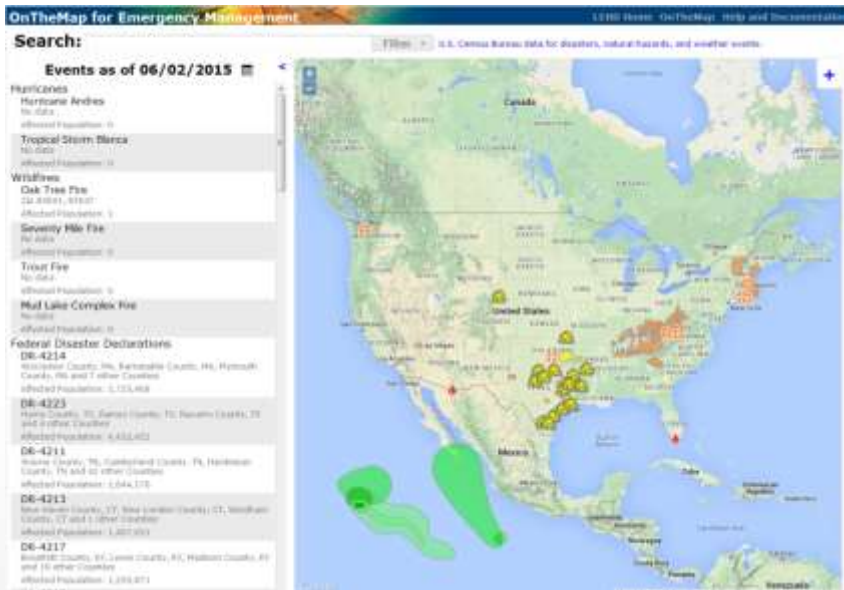


## New Public Data Service for Emergency Preparedness & Response

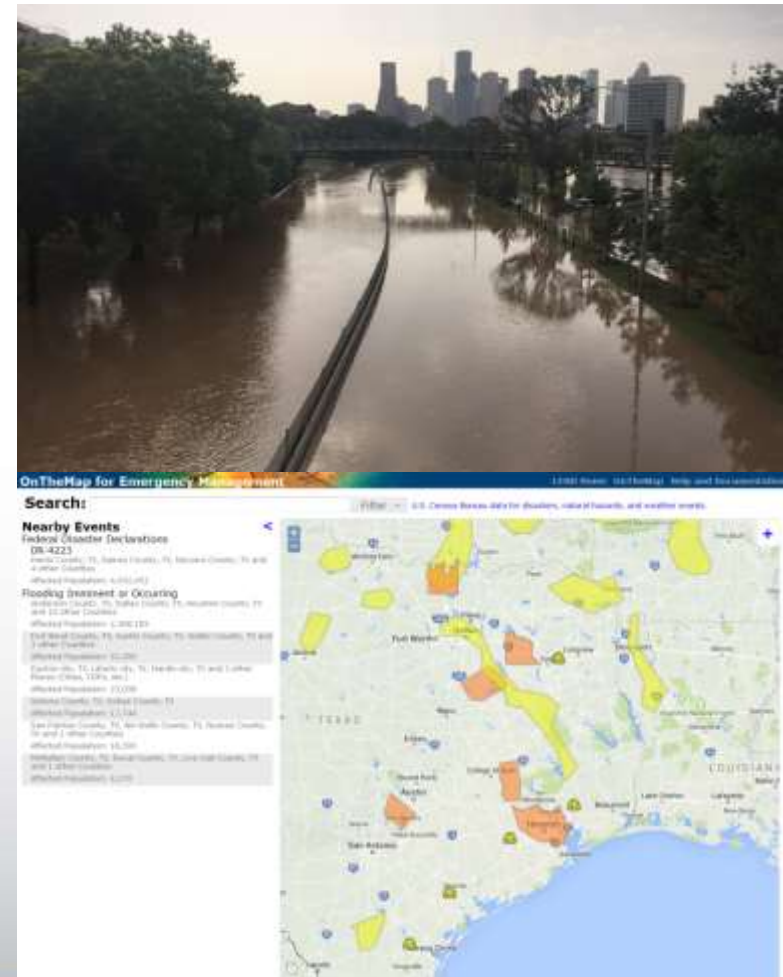
- Comprehensive Reports
- Real-time Data Updates
- Easy-to-use & Interoperable
- Historical Event Archive
- Flexible Analyses & Visualizations



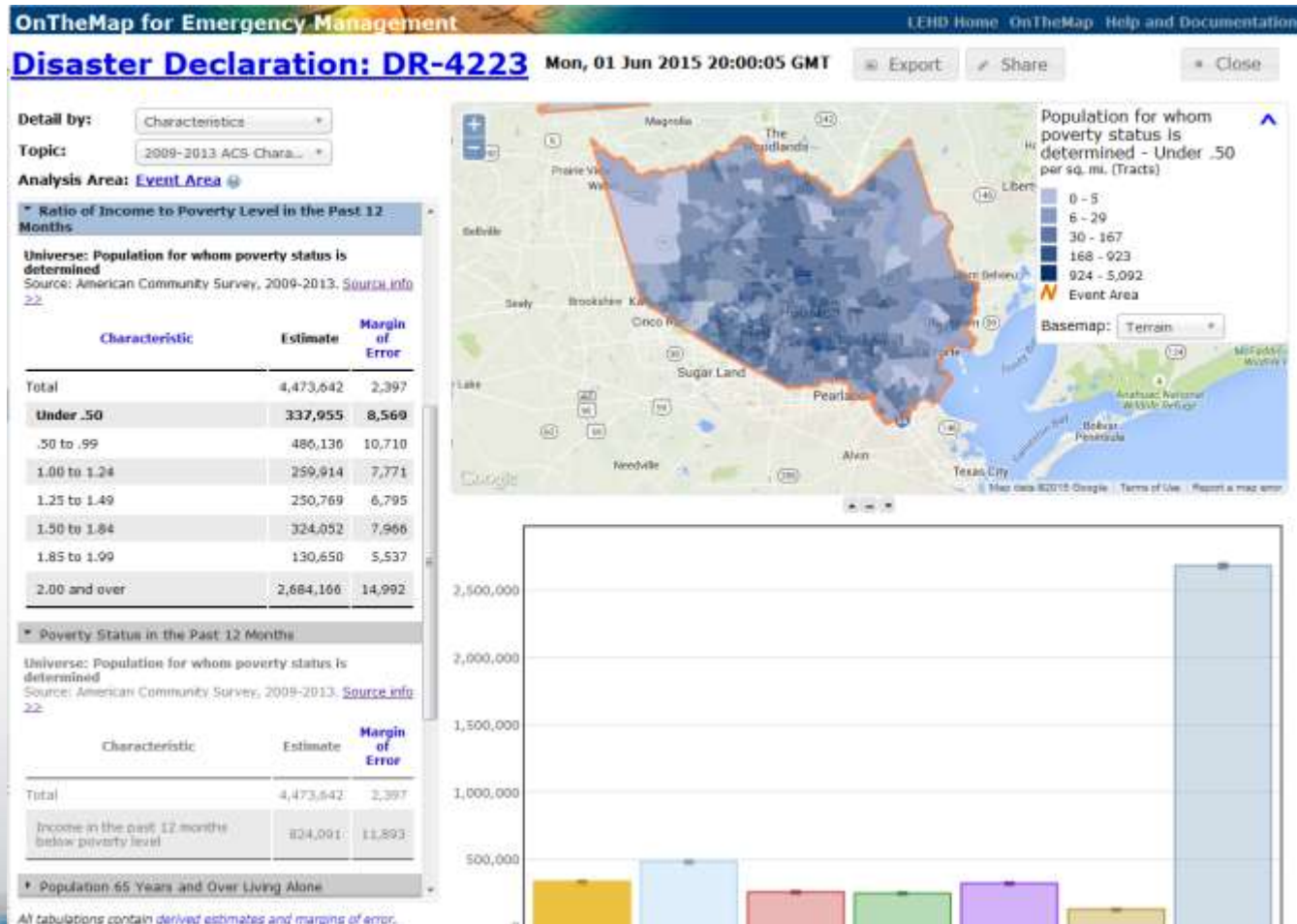
<http://onthemap.ces.census.gov/em/>



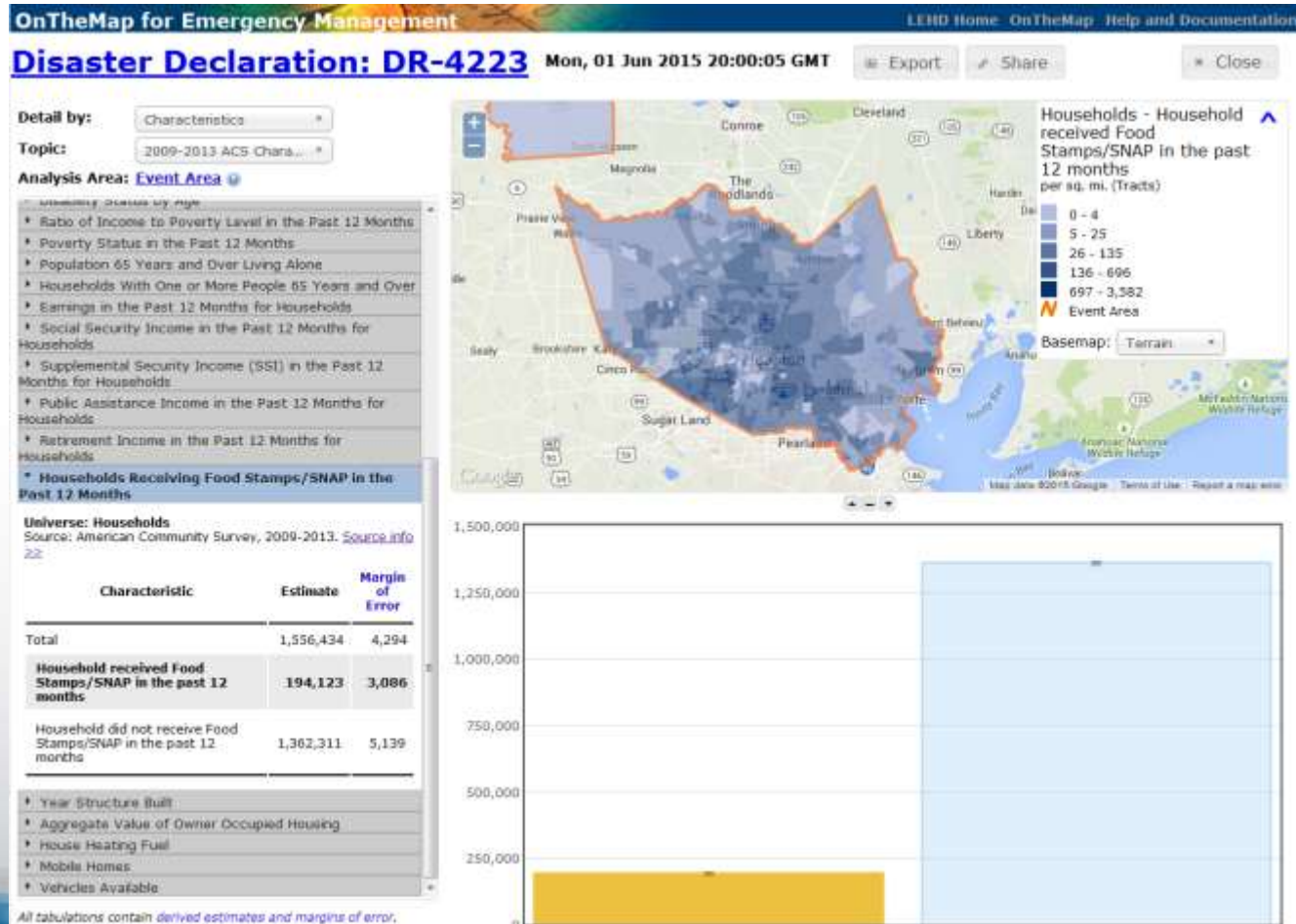
Houston Floods



# Ratio of Income to Poverty Level



# Households Receiving Food Stamps



OnTheMap for Emergency Management

LEND Home OnTheMap Help and Documentation

## Disaster Declaration: DR-4223

Mon, 01 Jun 2015 20:00:05 GMT

Export Share Close

Detail by: Characteristics

Topic: 2009-2013 ACS Chara...

Analysis Area: Event Area

Race  
 Hispanic or Latino Origin  
 Ability to Speak English by Age  
 Ability to Speak English by Language Spoken at Home

Universe: Population 5 years and over  
 Source: American Community Survey, 2009-2013. [Source info](#)

Characteristic	Estimate	Margin of Error
Speak English "not well" or "not at all"	469,313	6,373
<b>Speak Spanish</b>	<b>411,364</b>	<b>6,022</b>
Speak other Indo-European languages	11,020	974
Speak Asian and Pacific Island languages	43,081	1,737
Speak other languages	3,848	619

Disability Status by Poverty Status  
 Disability Status by Age  
 Ratio of Income to Poverty Level in the Past 12 Months  
 Poverty Status in the Past 12 Months  
 Population 65 Years and Over Living Alone  
 Households With One or More People 65 Years and Over  
 Earnings in the Past 12 Months for Households  
 Social Security Income in the Past 12 Months for Households  
 Supplemental Security Income (SSI) in the Past 12 Months for Households  
 Public Assistance Income in the Past 12 Months for Households

All tabulations contain derived estimates and margins of error.

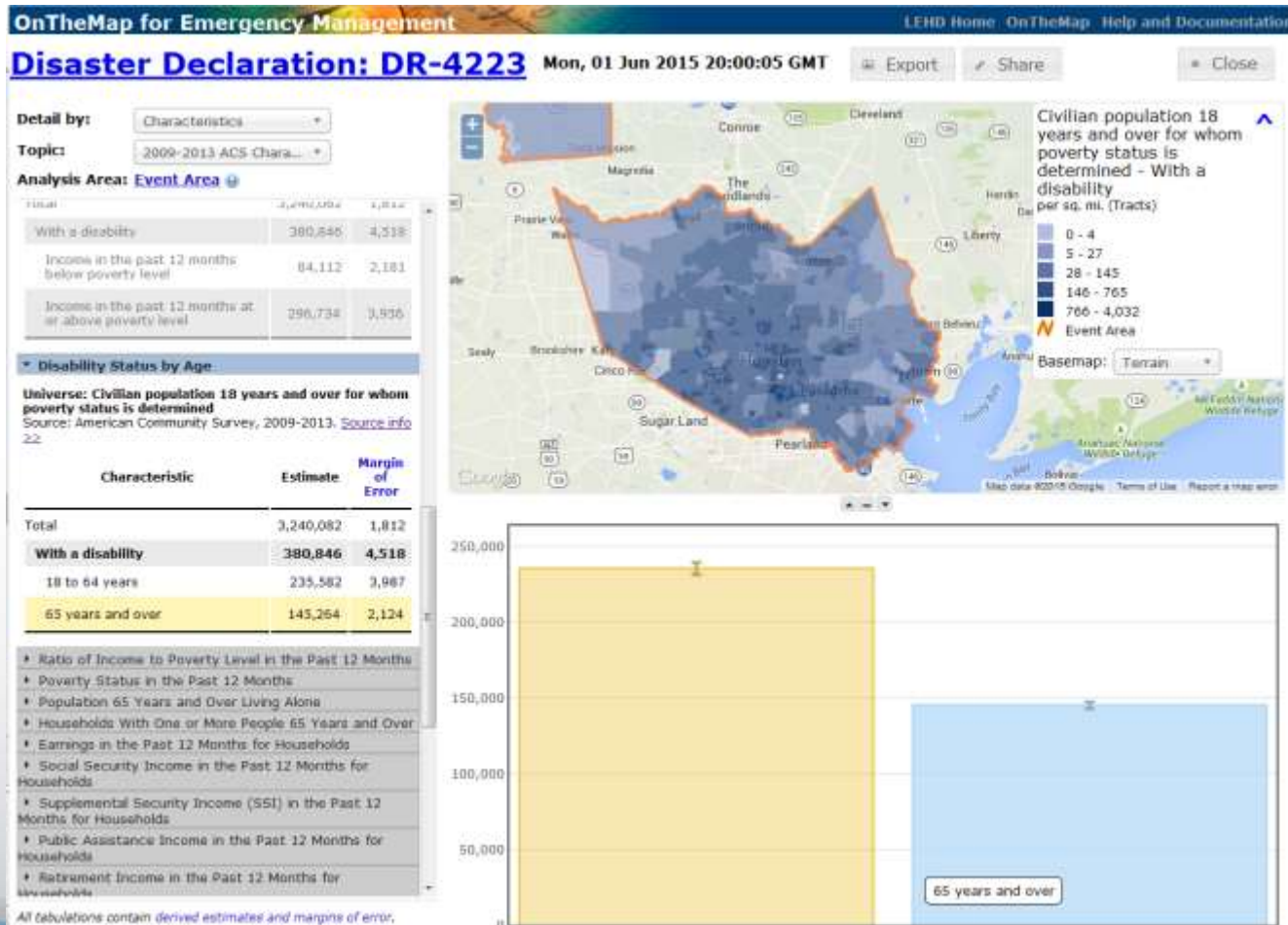
Population 5 years and over - Speak Spanish per sq. mi. (Tracts)

- 0 - 7
- 8 - 62
- 63 - 499
- 500 - 3,964
- 3,965 - 31,466

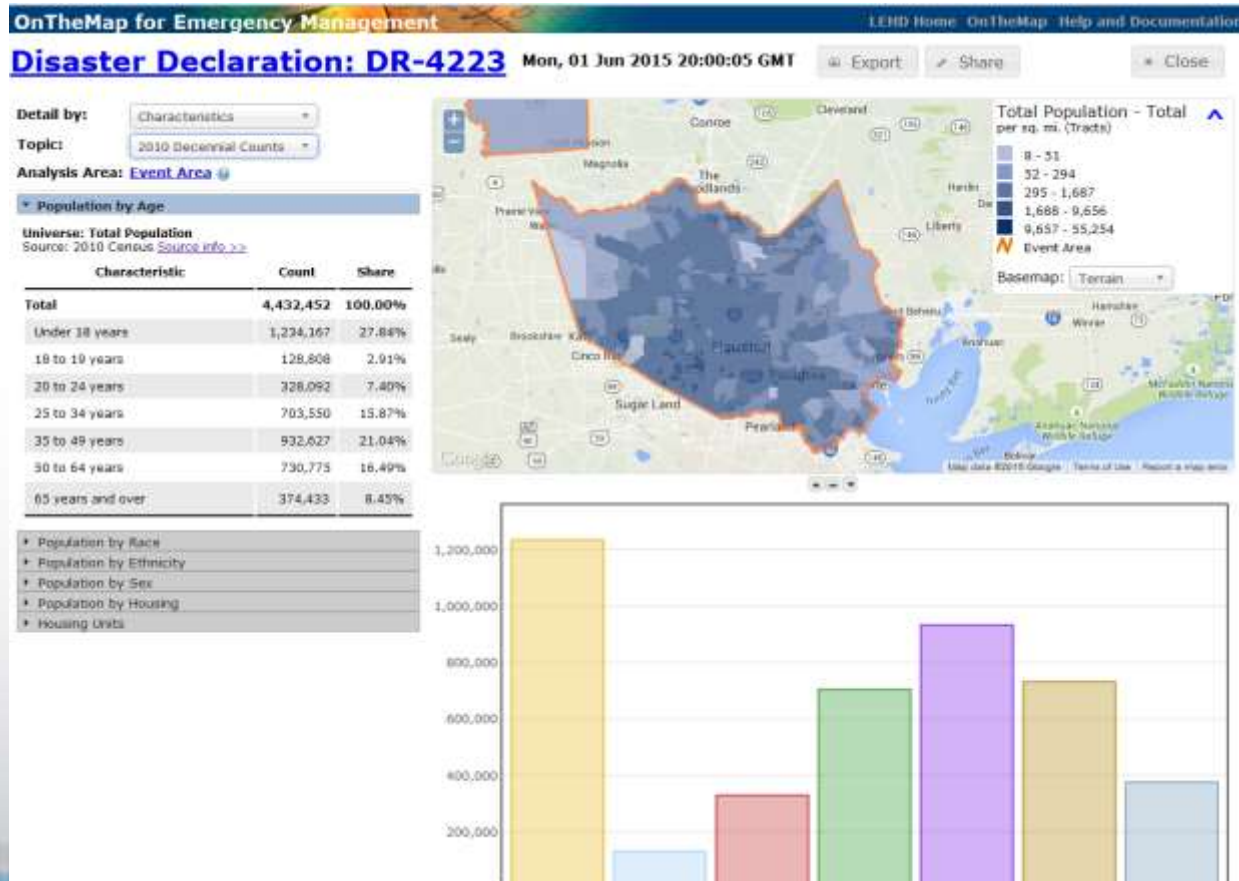
Event Area

Basemap: Terrain

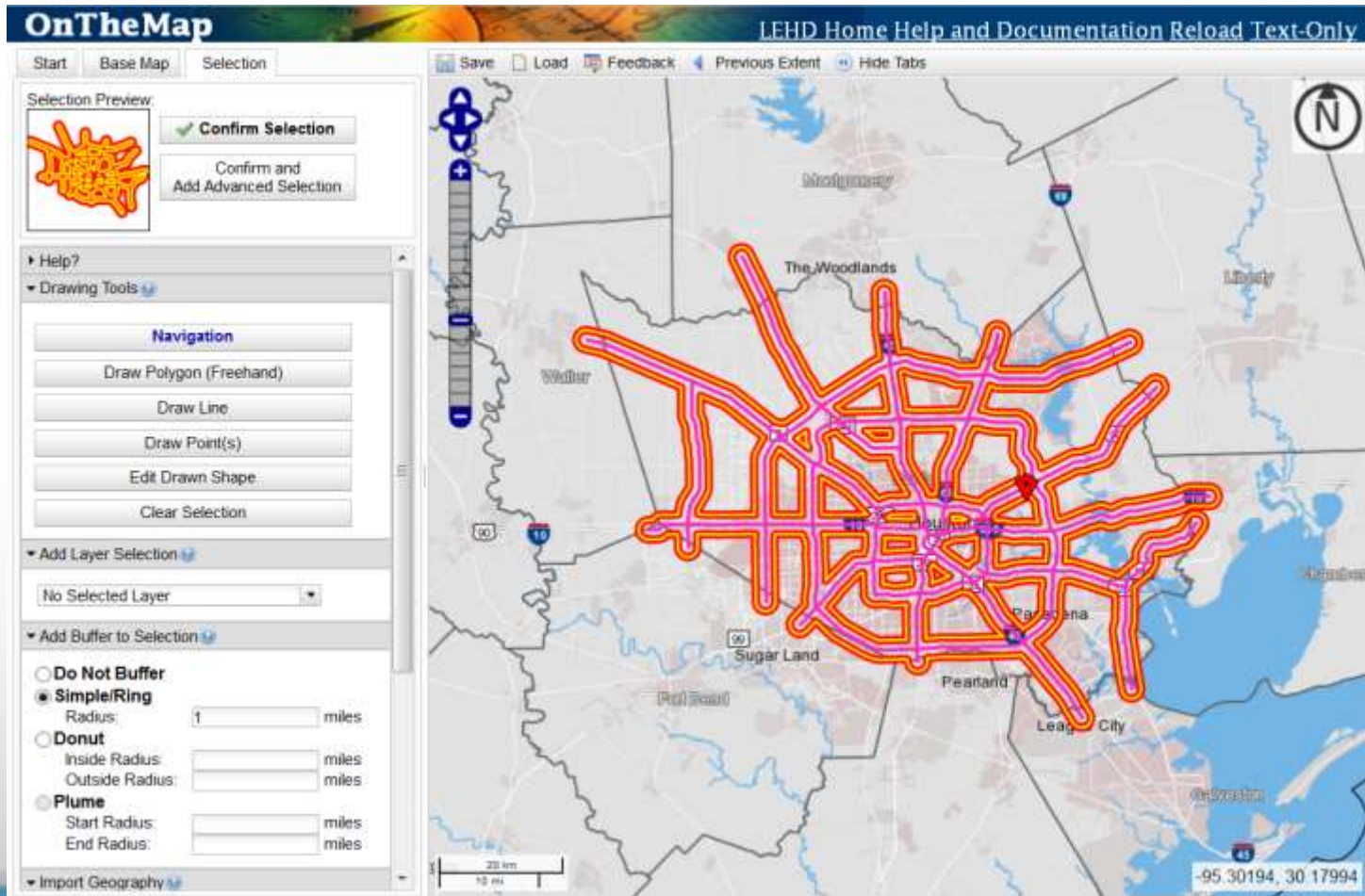
# Disability Status by Age



# Decennial Census Population by Age



# Importing



# *Thank You*

- Local Employment Dynamics
  - [lehd.ces.census.gov](http://lehd.ces.census.gov)
- Contact
  - [Earlene.KP.Dowell@census.gov](mailto:Earlene.KP.Dowell@census.gov)
- Tools
  - [QWIExplorer.ces.census.gov](http://QWIExplorer.ces.census.gov)
  - [LEDExtract.ces.census.gov](http://LEDExtract.ces.census.gov)
  - [OnTheMap.ces.census.gov](http://OnTheMap.ces.census.gov)
  - [OnTheMap.ces.census.gov/em.html](http://OnTheMap.ces.census.gov/em.html)